XZEAL XZCO400B

Xzeal XZ400 Gaming Cooler User Manual

Model: XZCO400B

1. INTRODUCTION

The Xzeal XZ400 is a high-performance liquid cooling system designed for desktop computers, compatible with both Intel and AMD processors. It features two 12cm RGB fans, a robust radiator, and a pump, all engineered to provide efficient cooling and maintain low operating noise during intensive use, such as gaming. The system utilizes quality materials, including a shielded cable and a metal base, ensuring durability and reliable performance.

Package Contents

- Xzeal XZ400 Liquid Cooler Unit (Radiator, Pump, 2x 12cm RGB Fans)
- Mounting Hardware for Intel Sockets
- Mounting Hardware for AMD Sockets
- Thermal Paste (pre-applied or in a tube)
- User Manual (this document)

2. SAFETY INFORMATION

- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid damage.
- Wear anti-static gloves or ground yourself to prevent electrostatic discharge (ESD) damage to sensitive components.
- Keep out of reach of children.
- Do not attempt to open or modify the cooler unit. This may void the warranty and cause damage.
- Avoid contact with the liquid coolant. In case of contact, rinse thoroughly with water.

3. SETUP AND INSTALLATION

Follow these general steps for installing your Xzeal XZ400 liquid cooler. Specific steps may vary slightly depending on your motherboard and PC case.

3.1 Prepare Your System

- Power off your computer and disconnect all cables.
- Open your PC case.
- Remove any existing CPU cooler. Clean the CPU surface thoroughly to remove old thermal paste.

3.2 Radiator and Fan Installation

Determine the optimal mounting location for the radiator within your PC case. Common locations include the top or front panels. Ensure there is sufficient clearance for the radiator and fans.

Image: The Xzeal XZ400 liquid cooler unit, showing the radiator, two 12cm RGB fans, and the pump with braided tubes.

- Attach the two 12cm RGB fans to the radiator using the provided screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (intake or exhaust).
- Mount the radiator assembly to your chosen location in the PC case using the appropriate screws.

3.3 CPU Block Installation

Select the correct mounting brackets for your CPU socket (Intel or AMD) and attach them to the pump block.

Image: A single Xzeal 12cm RGB fan, showcasing its vibrant lighting and central Xzeal logo.

- Apply a thin, even layer of thermal paste to the center of your CPU's integrated heat spreader (IHS), if not pre-applied to the cooler's cold plate.
- Carefully place the pump block onto the CPU, aligning the mounting holes.
- Secure the pump block to the motherboard using the appropriate screws and backplate (if required by your socket type). Tighten screws in a diagonal pattern until snug, but do not overtighten.

3.4 Cable Connections

- Connect the **4-pin power connector** from the fans to an available CPU_FAN or SYS_FAN header on your motherboard.
- Connect the **3-pin pump connector** to a dedicated AIO_PUMP or PUMP_FAN header on your motherboard. If no such header is available, connect it to a SYS_FAN header and ensure it is set to run at full speed in your motherboard's BIOS/UEFI.
- Connect the RGB cables from the fans to an RGB header on your motherboard or a dedicated RGB controller (if included or purchased separately). Refer to your motherboard manual for RGB header locations and software control.

4. OPERATING INSTRUCTIONS

Once installed, the Xzeal XZ400 operates automatically to cool your CPU. The fans and pump will adjust their speed based on CPU temperature, as controlled by your motherboard's BIOS/UEFI settings or system monitoring software.

4.1 Initial Power-On

- After installation, close your PC case and reconnect all external cables.
- Power on your computer.
- Observe the fans and pump for proper operation. The fans should spin, and you may hear a faint hum from the pump.
- Check your system's BIOS/UEFI or monitoring software to confirm the pump and fan speeds are detected and functioning correctly.

4.2 RGB Lighting Control

The RGB lighting on the fans can be controlled via your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync) if connected to a compatible header. If using a separate RGB controller, refer to its specific instructions.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Xzeal XZ400 cooler.
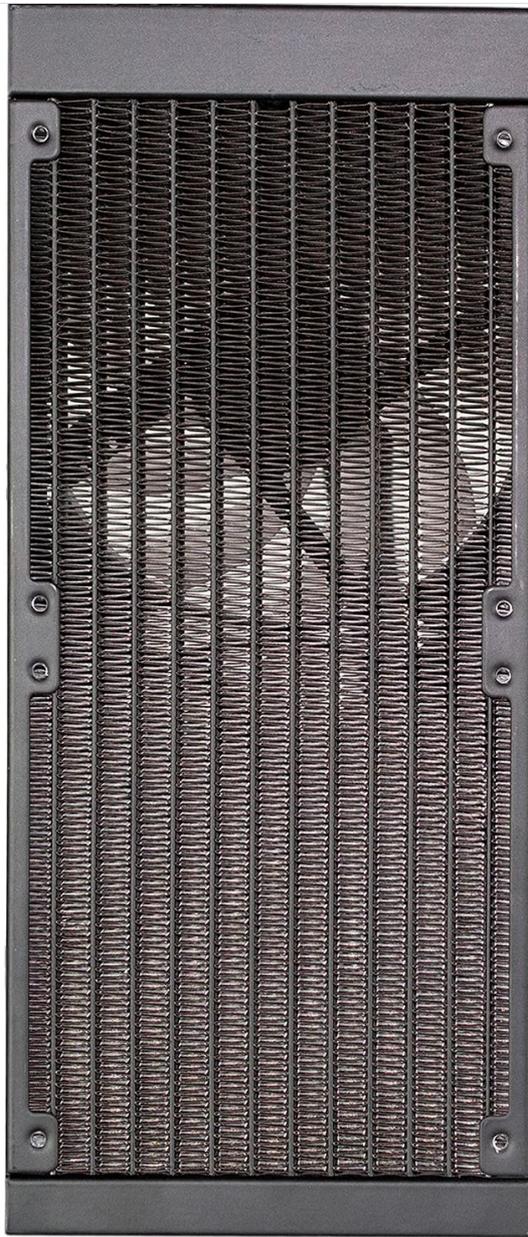
5.1 Cleaning the Radiator and Fans

Image: A close-up view of the radiator fins, showing the dense structure designed for heat dissipation.

- Periodically (every 3-6 months, or more often in dusty environments), power off and unplug your computer.
- Use compressed air to blow dust out of the radiator fins and fan blades. Hold the fan blades gently to prevent them from spinning too fast during cleaning, which can damage the bearings.
- Wipe down the exterior of the pump block and tubes with a soft, dry cloth.

5.2 Inspecting Connections

- Occasionally check all cable connections (fan power, pump power, RGB) to ensure they are securely seated.
- Inspect the tubes for any signs of kinks or damage.

6. TROUBLESHOOTING

If you encounter issues with your Xzeal XZ400 cooler, refer to the following common problems and solutions.

6.1 Fans Not Spinning / Pump Not Working

- **Check Power Connections:** Ensure the 4-pin fan connector and 3-pin pump connector are securely

plugged into the correct headers on your motherboard.

- **BIOS/UEFI Settings:** Enter your motherboard's BIOS/UEFI and verify that the fan and pump headers are enabled and configured correctly. Ensure the pump header is set to run at full speed.
- **Cable Damage:** Inspect cables for any visible damage.

6.2 No RGB Lighting

- **RGB Connection:** Confirm the RGB cables are properly connected to a compatible RGB header on your motherboard or an RGB controller.
- **Software Control:** Ensure your motherboard's RGB software is installed and configured correctly. Try restarting the software or your computer.
- **Header Type:** Verify you are using the correct type of RGB header (e.g., 12V GRB for standard RGB, 5V D-G for addressable RGB). Incorrect connection can damage the LEDs.

6.3 Poor Cooling Performance / High CPU Temperatures

- **Thermal Paste:** Ensure thermal paste was applied correctly and evenly. Re-apply if necessary.
- **Mounting Pressure:** Check that the CPU block is securely mounted to the CPU with adequate and even pressure.
- **Airflow:** Verify that the fans are oriented correctly for optimal airflow within your case. Ensure no obstructions are blocking the radiator.
- **Pump Operation:** Listen for the pump. If it's silent or making unusual noises, it might not be functioning correctly.
- **Dust Buildup:** Clean the radiator fins and fan blades as described in the Maintenance section.

7. SPECIFICATIONS

Feature	Specification
Model Number	XZCO400B
Manufacturer	XZEAL
Cooling Method	Liquid (Water)
Fan Size	2 x 12cm
Fan RPM	500 - 2000 RPM
Fan Power Connector	4-pin
Pump Power Connector	3-pin
Rated Voltage	12 Volts
Material	Shielded cable, Metal base
Compatible Devices	Desktop computer
Thickness (Overall)	10 Centimeters
Weight	3 Kilograms

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official XZEAL website or contact your retailer. Keep your proof of purchase for warranty claims.

For further assistance, please visit the XZEAL Store on Amazon.